

20010715.qrp v02_n251.qrl.20010715

Date: Sun, 15 Jul 2001 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2251

QRP-L Digest 2251

Topics covered in this issue include:

- 1) [102601] Re: Ham Fest / Keep Eyes Out For....
by Phil Wheeler <w7ox@earthlink.net>
- 2) [102602] Re: Ham Fest / Keep Eyes Out For....
by "George, W5YR" <w5yr@att.net>
- 3) [102603] Re: Ham Fest / Keep Eyes Out For....
by Bruce Muscolino <w6toy@erols.com>
- 4) [102604] Re: 10 meter NVIS
by "Dan Evans" <n9rla@yahoo.com>
- 5) [102605] Re: Miracle Antenna
by Al Scanandoah <k2zn@rochester.rr.com>
- 6) [102606] Greenlee Chassis punches FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 7) [102607] Re: Miracle Antenna
by "George, W5YR" <w5yr@att.net>
- 8) [102608] DaTong Filters
by "James R. Duffey" <jamesd1@flash.net>
- 9) [102609] Report on Field Operation Today
by "David Bixler" <qrp@netins.net>
- 10) [102610] re: K1 Supercharger
by "N7SG K7FD" <k7fd@hotmail.com>
- 11) [102611] Re: Report on Field Operation Today
by "TC Dufresne" <tdufresne@neb.rr.com>
- 12) [102612] Quiet List
by Jim Lowman <jmlowman@ix.netcom.com>
- 13) [102613] Re: Quiet List
by "N7SG K7FD" <k7fd@hotmail.com>
- 14) [102614] Re: Quiet List
by Bob W7AVK <rsrolfne@atnet.net>
- 15) [102615] Re: Miracle Antenna
by Thomas Kuehl <ac7a@gci-net.com>
- 16) [102616] Part Question
by "Brian Murrey" <bmurrey@amexol.net>
- 17) [102617] Re: DaTong Filters
by "Leon Heller" <leon_heller@hotmail.com>
- 18) [102618] Re: [fpqrp] Part Question
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 19) [102619] Re: Part Question

- by Thomas Kuehl <ac7a@gci-net.com>
- 20) [102620] Re: Miracle Antenna
by "George, W5YR" <w5yr@att.net>
- 21) [102621] Re: Miracle Antenna
by "ZOOM" <kandrparker@sympatico.ca>
- 22) [102622] RE: Miracle Antenna
by "David Bixler" <qrp@netins.net>
- 23) [102623] Re: Miracle Antenna
by David Gauding <david.gauding@bbs.galilei.com>
- 24) [102624] Feedline...
by G Brandon Hoyt <preacher102677@juno.com>
- 25) [102625] Band Open/IARU
by "N7SG K7FD" <k7fd@hotmail.com>
- 26) [102626] Re: Part Question
by "Robert P. Okas" <vintage@best.com>
- 27) [102627] FS tuner and keyer
by William K Penhallegon <w4stx@juno.com>
- 28) [102628] CORRECTION MMANA / SWR Plot
by John R Kirby <n3aaz-qrp@juno.com>
- 29) [102629] Re: Miracle Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 30) [102630] RE: T5W
by W2SH@aol.com
- 31) [102631] RE: Miracle Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 32) [102632] Re: Miracle Antenna
by "Steve/n0tu" <n0tu@webaccess.net>
- 33) [102633] Miracle Whip Antenna
by MITCHELLRI@aol.com
- 34) [102634] Re: Low pass filter help
by Bill Lazure <n2tpa@juno.com>
- 35) [102635] Packet Radio Computer
by Larry East <w1hue@amsat.org>
- 36) [102636] 2N22/40...two fer me!
by <mjfitz@uswest.net>
- 37) [102637] Re: Miracle Antenna
by Bruce Muscolino <w6toy@erols.com>
- 38) [102638] Re: Miracle Antenna
by David Gauding <david.gauding@bbs.galilei.com>
- 39) [102639] SMK-1 Smoke Test - VE7SL
by "Steve McDonald" <jsm@gulfislands.com>
- 40) [102640] Re: Miracle Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [102641] Re: Miracle Whip Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 42) [102642] OT: Managed list
by "Walt Amos" <k8cv@netzero.net>
- 43) [102643] OT: for sale

by "Walt Amos" <k8cv@netzero.net>
44) [102644] Re: Miracle Antenna
by Bruce Muscolino <w6toy@erols.com>
45) [102645] FT-817
by Bruce Muscolino <w6toy@erols.com>
46) [102646] Re: Part Question
by "Brian Murrey" <bmurrey@amexol.net>
47) [102647] Rigs that Contesters Use
by "James R. Duffey" <jamesd1@flash.net>
48) [102648] Re: Rigs that Contesters Use
by ARDUJENSKI@aol.com
49) [102649] Re: Feedline...
by "Cla KA0GKC" <ka0gkc@arrl.net>
50) [102650] Re: K1 Supercharger
by Wayne Burdick <n6kr@elecraft.com>
51) [102651] Re: feedline...
by "James R. Duffey" <jamesd1@flash.net>
52) [102652] Re: feedline...
by "George, W5YR" <w5yr@att.net>
53) [102653] Re: Feedline...
by "James R. Duffey" <jamesd1@flash.net>
54) [102654] RE: K1 Supercharger
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
55) [102655] RE: feedline...
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
56) [102656] FD power generation (was Re: Quiet List)
by <brownh@hartford-hwp.com>
57) [102657] Very short vert antennas
by "Steven Weber" <kd1jv@moose.ncia.net>
58) [102658] Glacier/Waterton hamfest
by Bruce Ratray <rattray@gpfn.sk.ca>
59) [102659] Re: K1 Supercharger; KBT1 low-drop protection diode
by Wayne Burdick <n6kr@elecraft.com>
60) [102660] Re: Poynting and Maxwell must be WRONG if CFA is to work!
by Chris Trask <ctrask@qwest.net>
61) [102661] Re: Feedline...
by G Brandon Hoyt <preacher102677@juno.com>
62) [102662] Patcomm PC-500 Review
by Mark E Gustoff <wo7t@juno.com>
63) [102663] Re: FD power generation (was Re: Quiet List)
by KB7WW Art Moe <kb7ww@uswest.net>
64) [102664] Re: Patcomm PC-500 Review
by Phil Wheeler <w7ox@earthlink.net>
65) [102665] Re: Feedline...
by "Karl F. Larsen" <k5di@zianet.com>
66) [102666] WX4S qrm on 14.060
by "N7SG K7FD" <k7fd@hotmail.com>
67) [102667] Re: Managed list

by "DTX" <dtx@wood.tzo.com>
68) [102668] Re: Poynting and Maxwell must be WRONG if CFA is to work!
by lhlousek <lhlousek@nvtbell.net>
69) [102669] Sprint Today
by "N7SG K7FD" <k7fd@hotmail.com>
70) [102670] Re: WX4S qrm on 14.060
by Dave Sjolín <sjolin@swbell.net>
71) [102671] OT: Managed list
by Michael Goins <mgoins@usa.net>
72) [102672] RE: Managed list
by "Ed Tanton" <n4xy@att.net>
73) [102673] Re: Managed list
by Phil Wheeler <w7ox@earthlink.net>
74) [102674] Re: Sprint Today
by "Steve McDonald" <jsm@gulfislands.com>
75) [102675] Hy-Gain/MFJ brings back the Hy-Tower
by "Ed Tanton" <n4xy@att.net>
76) [102676] OT: Paper comparing vertical antennas
by ARDUJENSKI@aol.com
77) [102677] Re: FT-817
by "Karl F. Larsen" <k5di@zianet.com>
78) [102678] Re: WX4S qrm on 14.060
by "Karl F. Larsen" <k5di@zianet.com>
79) [102679] RE: feedline...
by "James R. Duffey" <jamesd1@flash.net>
80) [102680] Re: Feedline...
by "James R. Duffey" <jamesd1@flash.net>
81) [102681] Re: Sprint Today
by "Richard Clemens" <clemens@wvwc.edu>
82) [102682] Re: Sprint Today
by "N7SG K7FD" <k7fd@hotmail.com>
83) [102683] Re: Managed list
by Pete Burbank <plburbank@kih.net>
84) [102684] FOR SALE OHR-500 & DD-1
by "Bill Wetherill" <n2wg@ec.rr.com>
85) [102685] All gone
by "Brian Murrey" <bmurrey@amexol.net>
86) [102686] Re: Poynting and Maxwell must be WRONG if CFA is to work!
by Chris Trask <ctrask@qwest.net>
87) [102687] Re: Miracle Antenna
by John Wagner <john@neknetwork.com>
88) [102688] Re: Hy-Gain/MFJ brings back the Hy-Tower
by Phil Wheeler <w7ox@earthlink.net>
89) [102689] Re: FT-817
by Bruce Muscolino <w6toy@erols.com>

Date: Sat, 14 Jul 2001 16:06:50 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102601] Re: Ham Fest / Keep Eyes Out For....
Message-ID: <3B50D08A.CBF19801@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"James R. Duffey" wrote:

>
> Ken - Another Hamfest item to keep your eye out for:
>
> The MFJ CWF-2 was a very popular CW filter in the 70s. It offers 180, 110,
> and 80 Hz bandwidths with a 700 Hz center frequency. This is a barebones
> filter, but it was well designed and has little ringing. It works well. You
> should be able to pick up one for \$5. They are worth it. On all of these
> that I have seen the glue holding the battery holder to the case has
> depolymerized and is loose. A good bargaining ploy is to shake the unit,
> which will rattle due to the battery holder being loose, while
> simultaneously asking "Are you sure that this works?" Smart sellers usually
> remove the battery.
>

Drat! Your message reminded me that I have one of those .. somewhere.
Something else I have to hunt for, now :-;

I quit using it when I built an OHR SCAF unit to do the same job.

73, Phil W7OX

Date: Sat, 14 Jul 2001 18:48:06 -0500
From: "George, W5YR" <w5yr@att.net>
To: w7ox@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102602] Re: Ham Fest / Keep Eyes Out For....
Message-ID: <3B50DA36.5FA062ED@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, as long as we are sharing secrets . . .

An English firm - Datong - produced several analog audio processors back in the 80's. Their first, I believe, was the Datong FL-1 adaptive audio filter. For its time, it was even more remarkable than the DSP filters and processors we have today. It has a notch filter (or peak) which will track a heterodyne and keep it notched or peaked. The audio bandpass filter is remarkable in its lack of ringing at very narrow bandwidths for CW. For SSB, the wider filter settings work very well indeed.

I got mine from a dealer for about \$30 after it had been returned as DOA. The problem was a defective chip which was replaced with one from RS for a couple of bucks. The units sold for over \$100 when they first came out - about \$139 I think in the US.

The FL-2 and FL-3 were the Cadillac models with many more features at higher cost.

If you can find any of these in working order, they are an excellent investment!

The engineering design was done by Dr. D.A. Tong who established quite a good reputation in the UK for his audio products.

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Sat, 14 Jul 2001 19:46:11 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102603] Re: Ham Fest / Keep Eyes Out For....
Message-ID: <3B50D9C3.16ADBC2@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll second George's comments about Datong Filters. They really work. OF course I bought mine when they were current and I lived in Holland. Lots more than \$30.00!

73

Date: Sat, 14 Jul 2001 19:01:37 -0700
From: "Dan Evans" <n9rla@yahoo.com>
To: <kb7ww@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [102604] Re: 10 meter NVIS
Message-ID: <008101c10cd2\$163c4a80\$0101a8c0@danevans>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Working the close in states on eskip is certainly an option, but I usually pick up the neighboring states on 10 via backscatter. So even if the skip is long, you still have a good chance of working the states you need.

Good luck,
73
Dan

Dan Evans N9RLA
444 Lynhurst dr.
Scottsburg, IN 47170
{EM78}
IN-Ham list administrator
QRP-1 #1269
1/2 of the N9RLA /R no budget Rover Team
Check out the Rover Resource Page at:
<http://www.qsl.net/n9rla>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 14 Jul 2001 20:22:59 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [102605] Re: Miracle Antenna
Message-ID: <3B50E263.F0ADC631@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Although I haven't tried it yet, it looks like the Ten Tec 80-402 47 uH tapped inductor might do the job. The down side is that the package is about 2x the diameter of the rheostat.

Al, K2ZN

Date: Sat, 14 Jul 2001 20:26:27 -0400
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [102606] Greenlee Chassis punches FS
Message-ID: <056801c10cc4\$cc0e5820\$164cc0cf@toshiba>

In digging thru some more "stuff", I found a box of Greenlee chassis punches that I am certain I will never use, so they might as well go to someone that can. Many of the QRP group seem to be builders, and would be able to put them to good use.

All of them are in very good shape, and all are in their original boxes. Some have the little "instruction sheet" with them. I have attempted to price them at about 2/3 of new price, which I think would be fair.

Here is what is available:

Round

1 1/2 inch - \$ 35
1 1/4 inch - \$ 22
1 5/32 inch - \$ 22
1 1/8 inch - \$ 22
1 inch - \$ 22
3/4 inch - \$ 20
5/8 inch - \$ 20

Square

3/4 inch - \$ 112

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@fdt.net or W8EK@netzero.com
Voice Phone (352) 732-8400

Date: Sat, 14 Jul 2001 19:28:50 -0500
From: "George, W5YR" <w5yr@att.net>
To: k2zn@rochester.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102607] Re: Miracle Antenna
Message-ID: <3B50E3C2.ACBEE5BE@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys, I need to go back and review that article, but can someone please explain to me how a base-loaded whip on the back of the 817 operates for HF transmitting without a reasonably large radial system? I am clearly missing something here . . . maybe that is where the "miracle" comes in! <:}

I know that we used to stick 19" wires on the back of a 2-meter mobile and get away with that for portable operation, but that was 146 MHz.

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Al Scanandoah wrote:

>
> Although I haven't tried it yet, it looks like the Ten Tec 80-402 47 uH
> tapped inductor might do the job. The down side is that the package is
> about 2x the diameter of the rheostat.
>
> Al, K2ZN

Date: Sat, 14 Jul 2001 19:28:35 -0600
From: "James R. Duffey" <jamesd1@flash.net>

To: <w5yr@att.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [102608] DaTong Filters
Message-ID: <B7764DE3.B5CC%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The DaTong filters are as good as analog audio filters get. I have an FL-3 which is my favorite audio filter. It has an automatic analog notch filter which must be the epitome of analog design. It works as well as digital notch filters. I got mine for \$35 and recommend it to anybody interested in audio filters. They are a bit rare, but if you find one you will not be disappointed. - Dr. MEgacycle KK6MC//5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 14 Jul 2001 20:32:07 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102609] Report on Field Operation Today
Message-ID: <DBEPKBJH00EAHCKKIHPFOEANCEAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello gang:

Well, we made it out of the woods alive today. Radio wise, we did not do very well. Only one QSO to show for the day. As you probably know now, there was a FIST operating event going on that made working QRP on 20 meters a bit more challenging this afternoon.

WD0DDU and I did have a nice hike in the woods and found a great spot to work the Flight of the Bumblebees on July 29th.

Oh yes, the new SST transceiver is a great trail friendly rig. Our water bottles weighed more than the entire station!

There are pictures and a short report on the web at:

<http://www.qsl.net/w0ch/mac/mac.htm>

See you in another week for another interesting field operation here in Missouri.

72,

Dave

David Bixler W0CH
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Sat, 14 Jul 2001 18:40:31 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Cc: elecrafft@qth.net
Subject: [102610] re: K1 Supercharger
Message-ID: <F101k6kvXsn2Yf0scl900002d2c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks for the nice comments on the K1 'turbo' mod...hi. It seems quite a few are still waiting for their KBT1's to arrive from Aptos...but are anxious to install the battery option and mod.

Last night and today were the first full real test of the battery mod. This is very non-scientific but I turned the radio on from 7:30pm to 1am last night, then today 11am to 6pm. That adds up to 12.5 hours. At 6:15pm today I got the LO BAT warning as the voltage dipped to 8.2v on transmit. My use of the K1 would be termed 'light to moderate', listening a lot, cq'ing a tad bit at 3.5w, and contesting a smidge, too.

My NiMH's are brand spanking new, so I'm hoping they'll even get better as the 'get seasoned' over a couple of charge sessions. I'm also using el cheapo brand batteries...maybe with brand name batteries I'd do even better?

By the way, the turbo mod DOES fit with both options installed...NB and KAT1.

73 John K7FD, <http://www.teleport.com/~cqdx/turbo.htm>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 15 Jul 2001 01:47:49 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp@netins.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102611] Re: Report on Field Operation Today
Message-ID: <00c301c10cc7\$c5c17620\$0dba1c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow! Brave boys! In the woods with shorts? Did the bugs eat you for lunch?
BTW, my QRP ops were none too good today either. Those FIST'ers sure make a
buzz?

Tom

> Main Web Site: <http://www.qsl.net/w0ch>
> Mirror Site: <http://showcase.netins.net/web/w0ch>
>
> QRP: Little Radios, Big Fun!
>
>

Date: Sat, 14 Jul 2001 19:30:40 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: QRP-L@lehigh.edu
Subject: [102612] Quiet List
Message-ID: <3B510050.BEC4FA99@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow! There certainly hasn't been much traffic on QRP-L today; it looks
like the bottom fell out.

Did everyone leave, or did something sinister happen?

72 de Jim - AD6CW

Date: Sat, 14 Jul 2001 19:36:17 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: jmlowman@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [102613] Re: Quiet List
Message-ID: <F45zi95HfqR77bieLYC00002dde@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Nope. It's just you and me, Jim. Everybody else left!

73 John K7FD

>
>Wow! There certainly hasn't been much traffic on QRP-L today; it looks
>like the bottom fell out.
>
>Did everyone leave, or did something sinister happen?
>
>72 de Jim - AD6CW

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sat, 14 Jul 2001 19:42:05 -0700
From: Bob W7AVK <rsrolfne@atnet.net>
To: k7fd@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102614] Re: Quiet List
Message-ID: <3B5102FD.CA93A37E@atnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Guys - I bet there all up on something working the world with milliwatts
and a wet noodle.

73 Bob W7AVK

N7SG K7FD wrote:

> Nope. It's just you and me, Jim. Everybody else left!

>
> 73 John K7FD
>
> >
> >Wow! There certainly hasn't been much traffic on QRP-L today; it looks
> >like the bottom fell out.
> >
> >Did everyone leave, or did something sinister happen?
> >
> >72 de Jim - AD6CW
>
> _____
> Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sat, 14 Jul 2001 19:48:50 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102615] Re: Miracle Antenna
Message-ID: <3B510492.83CE7C37@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George,

I think that your statement about a "miracle" comes close to the truth. It is a miracle that any contacts are made with this design - especially on the lower bands. But as the milliwatters on the list prove all the time: it doesn't take a lot of RF to be heard!

Surely the "miracle" antenna appears to the radio more and more like a dummy load as the band of use is lowered. The radiation resistance has to be ohms, if not fractions of ohms; the coil losses substantial, and the ground return resistance in the tens of ohms. When you add up all the loss resistances, the gadget probably represents a reasonable close impedance match to the radio.

I am not knocking the little thing too much, because it can offer a convenient solution when nothing else is possible. On the other hand, I do believe that another more efficient solutions can be had without a great deal more effort, or added inconvenience.

Best regards, Thomas - AC7A (Tucson)

"George, W5YR" wrote:

> Guys, I need to go back and review that article, but can someone please
> explain to me how a base-loaded whip on the back of the 817 operates for HF
> transmitting without a reasonably large radial system? I am clearly missing
> something here . . . maybe that is where the "miracle" comes in! <:}
>
> I know that we used to stick 19" wires on the back of a 2-meter mobile and
> get away with that for portable operation, but that was 146 MHz.
>
> --
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
> Al Scanandoah wrote:
> >
> > Although I haven't tried it yet, it looks like the Ten Tec 80-402 47 uH
> > tapped inductor might do the job. The down side is that the package is
> > about 2x the diameter of the rheostat.
> >
> > Al, K2ZN

Date: Sat, 14 Jul 2001 22:02:45 -0500
From: "Brian Murrey" <bmmurray@amexol.net>
To: "pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [102616] Part Question
Message-ID: <015401c10cda\$9fe0d3c0\$20302bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have some transistors marked MPS A20 and something I read somewhere says
these are decent for audio amps.

In my handy dandy Paul Harden Data Book, I do not see this one listed BUT I
see a 2N3904 NPN transistor with the same Vce 40v and Ic of 100mA.

I would guess these are interchangeable??

I can't locate a datasheet on this MPS A20.

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223

39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Sun, 15 Jul 2001 03:18:15 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: jamesd1@flash.net, qrp-l@Lehigh.EDU
Subject: [102617] Re: DaTong Filters
Message-ID: <F187NEVom70D63cgwFE0000cb1d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>The DaTong filters are as good as analog audio filters get.

Datong pulled out of the amateur radio market a couple of years ago, which is presumably why the filters are rather rare.

73, Leon
--
Leon Heller, G1HSM
Tel: +44 1327 359058
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Sun, 15 Jul 2001 13:43:51 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Brian Murrey <bmurrey@amexol.net>
Cc: pigs <fpqrp-l@mpna.com>, QRP-L <qrp-l@lehigh.edu>
Subject: [102618] Re: [fpqrp] Part Question
Message-ID: <3B511177.F98DCCBC@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

Brian,

My 1975 Motorola Index lists MPSA20 as:

Silicon NPN Audio
Pd 300 mW
Vce 40V
Ic max 100 mA
Hfe 40 @ 5 mA
Ft 125 Mhz
T0-92

Hope this helps

72/73's

Ian Purdie
"I believe Australia is the best address on earth"
Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
URL - <http://www.electronics-tutorials.com/>

Date: Sat, 14 Jul 2001 20:53:07 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102619] Re: Part Question
Message-ID: <3B5113A3.2ACECBC8@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian,

The MPSA20 was a Motorola device that is now manufactured by their spin-off, On Semi. You'll find the data sheet here:

<http://www.onsemi.com/pub/Collateral/MPSA20-D.PDF>

I think Fairchild and a few others produce this device as well.

Best regards, Thomas - AC7A (Tucson)

Brian Murrey wrote:

```
> I have some transistors marked MPS A20 and something I read somewhere says
> these are decent for audio amps.
>
> In my handy dandy Paul Harden Data Book, I do not see this one listed BUT I
> see a 2N3904 NPN transistor with the same Vce 40v and Ic of 100mA.
>
> I would guess these are interchangeable??
>
> I can't locate a datasheet on this MPS A20.
>
> =====
> KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
>      39.558 N   86.095 W   Johnson Co., Indiana
>      GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
>      Member of the American Radio Relay League - SOC #400
>      FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
> =====
```

Date: Sat, 14 Jul 2001 22:55:56 -0500
From: "George, W5YR" <w5yr@att.net>
To: ac7a@gci-net.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102620] Re: Miracle Antenna
Message-ID: <3B51144C.D83FBD25@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for confirming my thoughts, Thomas.

I can see where the antenna would be useful for receiving, but the efficiency on transmitting must be miniscule. Still, as you point out, a few milliwatts can do a lot and be a lot of fun. And with all the loss, it probably does keep the transmitter reasonably happy as a load.

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Thomas Kuehl wrote:

>
> George,
>
> I think that your statement about a "miracle" comes close to the truth. It is a
> miracle that any contacts are made with this design - especially on the lower
> bands. But as the milliwatters on the list prove all the time: it doesn't take
> a lot of RF to be heard!
>
> Surely the "miracle" antenna appears to the radio more and more like a dummy
> load as the band of use is lowered. The radiation resistance has to be ohms, if
> not fractions of ohms; the coil losses substantial, and the ground return
> resistance in the tens of ohms. When you add up all the loss resistances, the
> gadget probably represents a reasonable close impedance match to the radio.
>
> I am not knocking the little thing too much, because it can offer a convenient
> solution when nothing else is possible. On the other hand, I do believe that
> another more efficient solutions can be had without a great deal more effort,
> or added inconvenience.
>
> Best regards, Thomas - AC7A (Tucson)

Date: Sun, 15 Jul 2001 00:05:48 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102621] Re: Miracle Antenna
Message-ID: <010401c10ce3\$6e1eb420\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes I agree this antenna seems more like a pipe dream than actual calims being realized. According to theory, this antenna is no more than a type dummy load but before we jump too far, lets take a leap of faith and get some input from those out there who have experience with and are using this type of antenna. What are their thoughts?
There must be some out there!
Of course this antenna would be useless at high power over 10W but perhaps it does work well at low power levels.

The reason I mention this is that I have had successful results from experiments I did a few years back with a ferrite loop antenna I built for 80M. It worked relatively well for such a small antenna with a max power of 7W and 1 foot long! Yes 1 Foot long and it resonated on 80M.

Anyway it would be great to hear from those using one.

Regards,
Robert
VE3RPF

Date: Sat, 14 Jul 2001 23:41:16 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102622] RE: Miracle Antenna
Message-ID: <DBEPKBJH00EAHCKKIHPFIEBDCEAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello gang:

This thread about Miracle Antennas reminded me of an advert I saw in Practical Wireless magazine from the UK. Waters and Stanton's ad shows several "Walkabout" portable antennas for 80 through 6 meters. They have BNC connectors and telescopic whips and are intended to be placed on hand-held or portable transceivers like the FT-817.

They have single band antennas for 80 through 10 meter bands plus a multiband antenna with taps on the coil for all bands 80 through 6 meters.

Cost on the single band ones are 19.95 British Pounds for the 20 to 10 meter bands and 24.95 British Pounds for 40 or 80. The all band one is 69.95 Pounds.

One pound is about \$1.40 US dollars so multiply the costs above by 1.4 to get the price in dollars.

For info: http://www.wsplc.com/pdf/atx_antennas.pdf

Looks interesting, but I think one could be homebrewed pretty easily.

72,

Dave

David Bixler W0CH
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Sun, 15 Jul 2001 00:01:05 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [102623] Re: Miracle Antenna
Message-ID: <5.1.0.14.0.20010714224618.02054ce0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good evening,

Comments on the Miracle Antenna posted earlier today have been very interesting. And, the peaked my curiosity again.

After seeing W6MMA's new MP-1 at Pacificon 2000, I did some experimenting early this year with a spare tapped air-wound St. Louis Coil for 10-40m. This involved supporting the coil and other antenna parts temporarily on a right-angle BNC connector. Known in polite circles as a "lash-up"! <g> The rig was a DSW-20 installed in a portable station.

I put weights on top of the case keep the station from tipping. And, hung several eighth-wave ribbon radials from a temporary ground lug. Reception was surprisingly good.

I made a few 20CW contacts running 2 watts with the station sitting on a table on my deck. Thus was born the St. Louis Traveling Vertical. It was a fun and educational exercise but shelved until quality time was available to develop it further..

Then the Miracle Antenna project appeared in QST and was read with great enthusiasm. Like many others, I have been waiting to for someone to say " I bought one" or "I built one" and this is how it worked for me, in real-time.

Tonight, I rigged up the temporary SLTV again but this time attached it to an Argo 515. Due to the height of the antenna the the rig was located on the floor of my basement shack instead of on the desk.

Recalling the Miracle Antenna design, I omitted the radials and adjusted the coil tap for best match on 20m. In this test, about 2.5 to at a full 4W output.

Running out of the basement, I just finished contest exchanges with N3BB and then AD5Q at the bottom of the band and in trafffic. Not real pretty on my end but we made it. Unfortunately, DA0SQ and several other DX stations continue to ignore me! <g>

Just passing along the results of tonights design exercise. I'm quite sure the little antenna (or anything else in the class) would have performed better if it was 1) operated outdoors in the clear and 2) had a rudimentary radial system.

More another time after I resurrect the SLTV and fool with it a little more. Hoping the end of the trail produces a nice lunchtime or traveling vertical. If all goes well the final version of the antenna will be inexpensive, easily repeatable and light enough to attach to the antenna jack of a homebrew rig.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Sun, 15 Jul 2001 01:07:18 -0400
From: G Brandon Hoyt <preacher102677@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [102624] Feedline...
Message-ID: <20010715.010721.-140177.3.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

General consensus so far is that it works on low bands, not so good on high bands. Sorry to sound like a three year old, but why??? Any good quick and dirty answers? I've also thought about the possibily of sorta hybriding the concept a little. Why stop pulling apart the zipcord when

resonant length is reached? Why not also go ahead and add spacers to the line to make it a true balanced feed? I'm mostly trying to eliminate solder joints. I see these as potential stress points in the set up, and I'm following the KISS priciple.

Thanks for the positive feedback! Iffen anything, I'll use the speakerwire feedline with my SMK this week from the beach.

As God wills...

Anyone have a house available to rent for a week on the gulf coast of FL?

LIC,

G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL Clear.

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sat, 14 Jul 2001 23:49:14 -0700

From: "N7SG K7FD" <k7fd@hotmail.com>

To: qrp-l@Lehigh.EDU

Cc: elecrafft@qth.net

Subject: [102625] Band Open/IARU

Message-ID: <F11043Tuy1Jc0xv1UQ900002f8a@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

40m is still open for business at midnight, PDT. Been hunting and pouncing for about 3 hours and have KY, IN, AB, CA, MT, MO, HI, MN, AK, IA, AZ, and Brazil in the qrp log.

73 John K7FD

K1 at 3w, battery power. 40m loop, strategically placed over septic drain field...

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 15 Jul 2001 00:22:43 -0700 (PDT)

From: "Robert P. Okas" <vintage@best.com>

To: Brian Murrey <bmurrey@amexol.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102626] Re: Part Question
Message-ID: <Pine.BSF.4.21.0107142340200.11911-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Brian & Gang,

The complete data sheet is available at:
<<http://www.onsemi.com/pub/Collateral/MPSA20-D.PDF>>

This data sheet is one of the most complete I've ever seen for a transistor. Since noise graphs are provided, you can determine how noisy an amplifier will be. This device could be used in a "long tail" differential pair in an audio power amp. In fact, the noise curves on page 3 of the data sheet suggest this. Notice in Figure 3 how the input referred noise voltage curve at 30uA of collector current is the lowest of the others. Input stages typically draw low current.

In a pinch, a 2N3904 could be subbed for the A20 if noise was not an issue. The 3904 is pretty quiet already. It's data sheet is also available at the onsemi site. Just sub 2N3903 for the MPSA20 in the previous url. You can see how the two devices are spec'd differently. It's annoying because one can't compare apples. The 3904 data sheet present noise figure data vs. the A20's voltage and current noise specs. A look at the other graphs suggests that switching is an intended application for the 3904.

FWIW, I have a bunch of MPSA18's, which are a bit quieter. These make great preamp transistors and were used in various SWTPC amps. Grab a few if you ever come across them.

73,
Bob - W3CD

On Sat, 14 Jul 2001, Brian Murrey wrote:

> I have some transistors marked MPS A20 and something I read somewhere says
> these are decent for audio amps.
>
> In my handy dandy Paul Harden Data Book, I do not see this one listed BUT I
> see a 2N3904 NPN transistor with the same Vce 40v and Ic of 100mA.
>
> I would guess these are interchangeable??
>
> I can't locate a datasheet on this MPS A20.

>
>
> =====
> KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
> 39.558 N 86.095 W Johnson Co., Indiana
> GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
> Member of the American Radio Relay League - SOC #400
> FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
> =====
>
>

Date: Sun, 15 Jul 2001 03:56:41 -0400
From: William K Penhallegon <w4stx@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [102627] FS tuner and keyer
Message-ID: <20010715.042628.-689477.0.w4stx@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale

MFJ-941E Versa Tuner II \$60
MFJ-407C Electronic Keyer \$35

Bill Penhallegon W4STX
Clearwater, Florida

Date: Sun, 15 Jul 2001 06:07:48 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [102628] CORRECTION MMANA / SWR Plot
Message-ID: <20010715.060905.-148493.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Five lines up from the bottom . . .

}}}}From the GEOMETER window, click any white area under NEXT,{{{

should read >>>RIGHT<<< click any white area under NEXT.

From: n3aaz-qrp@juno.com
To: qrp-1@Lehigh.EDU
Date: Sat, 14 Jul 2001 08:35:34 -0400
Subject: MMANA / SWR Plot

Here is how I do it.

>From the GEOMETRY window load (click FILE) the 'antenna your choice.
>From the COMPUTE window click START, then click PLOT.
>From the PLOT window, click RESONANCE, answer YES to the WRITE file question,
click the SET tab, click LIMIT SWR, get rid of INFINITY (click something else),
click the SWR TAB.

I "feel" this SWR PLOT *reflects* (no pun intended)
the >L/C< Network that MMANA >BUILDS< . . .
>From the GEOMETER window, click any white area under NEXT,
then click OPTIONS and SETUP,
then click L/C MATCH or any other tab of your choice.

WOW ! ! ! 'aint this MMAMA nice?

Thanks again MM (JE3HHT).

John
N3AAZ
FM 19 xa

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 15 Jul 2001 05:21:33 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: ZOOM <kandrparker@sympatico.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102629] Re: Miracle Antenna

Message-ID: <Pine.LNX.4.33.0107150512190.1114-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Robert, That's the problem. According to Robert Victor, VA2ERY they have made 4 production runs of this antenna, but I have never heard a sole using one or any report of how good or terrible they are.

My thoughts are these: The hard part to build is the ferrite transformer. If the antenna is a complete bust then I will use that transformer in MY next antenna which will be a short wire antenna with a good ground.

I begin to think the qrp-1 bunch are too smart to make much of this antenna. But at least it needs to be fully tested before calling it junk...:-)

On Sun, 15 Jul 2001, ZOOM wrote:

> Yes I agree this antenna seems more like a pipe dream than actual calims
> being realized. According to theory, this antenna is no more than a type
> dummy load but before we jump too far, lets take a leap of faith and get
> some input from those out there who have experience with and are using this
> type of antenna. What are their thoughts?
> There must be some out there!
> Of course this antenna would be useless at high power over 10W but perhaps
> it does work well at low power levels.
>
> The reason I mention this is that I have had successful results from
> experiments I did a few years back with a ferrite loop antenna I built for
> 80M. It worked relatively well for such a small antenna with a max power of
> 7W and 1 foot long! Yes 1 Foot long and it resonated on 80M.
>
> Anyway it would be great to hear from those using one.
>
> Regards,
> Robert
> VE3RPF
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 15 Jul 2001 07:22:49 EDT
From: W2SH@aol.com
To: w5xe@juno.com
Cc: qrp-1@lehigh.edu
Subject: [102630] RE: T5W
Message-ID: <8e.185be830.2882d709@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bill,

Last one I have is for Summer 2000. Sent MIQRP a check for my membership renewal in mid-May. It is still outstanding, as is a recent E-mail to them mentioning both points and asking what I should do next. Dunno. Would have thought that by now it would have warmed up enough in MI to be out of hibernation.

72/73,

Charles, W2SH

Date: Sun, 15 Jul 2001 05:34:21 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: David Bixler <qrp@netins.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102631] RE: Miracle Antenna
Message-ID: <Pine.LNX.4.33.0107150529150.1114-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi David, I got that .pdf from the web page and they are quite honest about the need for a good ground. They even tell you how to test your ground by listening to a station without a ground, and then apply one. The ground will raise the stations signal by several s units!

I suspect the table the author of the Miracle Antenna used when he worked all that dx has a copper top...:-)

On Sat, 14 Jul 2001, David Bixler wrote:

> Hello gang:
>
> This thread about Miracle Antennas reminded me of an
> advert I saw in Practical Wireless magazine from the
> UK. Waters and Stanton's ad shows several "Walkabout"
> portable antennas for 80 through 6 meters. They have
> BNC connectors and telescopic whips and are intended
> to be placed on hand-held or portable transceivers like
> the FT-817.
>
> They have single band antennas for 80 through 10 meter
> bands plus a multiband antenna with taps on the coil for
> all bands 80 through 6 meters.
>
> Cost on the single band ones are 19.95 British Pounds
> for the 20 to 10 meter bands and 24.95 British Pounds
> for 40 or 80. The all band one is 69.95 Pounds.
>
> One pound is about \$1.40 US dollars so multiply the
> costs above by 1.4 to get the price in dollars.
>
> For info: http://www.wsplc.com/pdf/atx_antennas.pdf
>
> Looks interesting, but I think one could be homebrewed
> pretty easily.
>
> 72,
>
> Dave
>
> David Bixler W0CH
> Seneca, MO
> Main Web Site: <http://www.qsl.net/w0ch>
> Mirror Site: <http://showcase.netins.net/web/w0ch>
>
> QRP: Little Radios, Big Fun!
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 15 Jul 2001 05:55:40 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>, <david.gauding@bbs.galilei.com>
Subject: [102632] Re: Miracle Antenna
Message-ID: <01d401c10d25\$12dcdd20\$6a211d82@sg2939p75.cos.agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

Your SLTV sounds very interesting. What kind of Q are you seeing in ur loading coil? Steve/n0tu

-----Original Message-----

From: David Gauding <david.gauding@bbs.galilei.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, July 14, 2001 11:08 PM
Subject: Re: Miracle Antenna

>Good evening,

>

>Comments on the Miracle Antenna posted earlier today have been very
>interesting. And, the peaked my curiosity again.

>

>After seeing W6MMA's new MP-1 at Pacificon 2000, I did some experimenting
>early this year with a spare tapped air-wound St. Louis Coil for 10-40m.
>This involved supporting the coil and other antenna parts temporarily on a
>right-angle BNC connector. Known in polite circles as a "lash-up"! <g> The
>rig was a DSW-20 installed in a portable station.

>

>I put weights on top of the case keep the station from tipping. And, hung
>several eighth-wave ribbon radials from a temporary ground lug. Reception
>was surprisingly good.

>

>I made a few 20CW contacts running 2 watts with the station sitting on a
>table on my deck. Thus was born the St. Louis Traveling Vertical. It was a
>fun and educational exercise but shelved until quality time was available
>to develop it further..

>

>Then the Miracle Antenna project appeared in QST and was read with great
>enthusiasm. Like many others, I have been waiting to for someone to say " I
>bought one" or "I built one" and this is how it worked for me, in
real-time.

>

>Tonight, I rigged up the temporary SLTV again but this time attached it to
>an Argo 515. Due to the height of the antenna the the rig was located on
>the floor of my basement shack instead of on the desk.
>
>Recalling the Miracle Antenna design, I omitted the radials and adjusted
>the coil tap for best match on 20m. In this test, about 2.5 to at a full 4W
>output.
>
>Running out of the basement, I just finished contest exchanges with N3BB
>and then AD5Q at the bottom of the band and in trafffic. Not real pretty on
>my end but we made it. Unfortunately, DA0SQ and several other DX stations
>continue to ignore me! <g>
>
>Just passing along the results of tonights design exercise. I'm quite sure
>the little antenna (or anything else in the class) would have performed
>better if it was 1) operated outdoors in the clear and 2) had a rudimentary
>radial system.
>
>More another time after I resurrect the SLTV and fool with it a little
>more. Hoping the end of the trail produces a nice lunchtime or traveling
>vertical. If all goes well the final version of the antenna will be
>inexpensive, easily repeatable and light enough to attach to the antenna
>jack of a homebrew rig.
>
>Regards,
>
>
>
>de Dave, NF0R nf0r@slacc.com
>
>
>
>
>
>
>
>

Date: Sun, 15 Jul 2001 08:53:04 EDT
From: MITCHELLRI@aol.com
To: qrp-1@lehigh.edu
Subject: [102633] Miracle Whip Antenna
Message-ID: <26.1832b3e6.2882ec30@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

After all the recent discussion on the Miracle Whip, I thought I would reprise my earlier post.

I built one using the ferrite core from my NJ QRP club BLT tuner.

The resistor was an old Clarostat wirewound for speaker fading. (Was I fading?)

Radio Shack (Can I call it that?) supplied the magnet wire and the connector to the radio. They also supplied the telescoping whip, the black box. So far, total investment, \$12.00.

BTW, I recall that in the QST article, the author mentioned that a ground might create more problems than it would solve.

Upon completion, on to the 817... results: No QSO's, but very efficient receive. SWR easily controlled. But Beware!!! Tune on LOW power. My 817 is at Yaesu for new finals, as there is no SWR protection in the radio.

I can't wait to get the radio back, sit on the deck, (or on the boat) beer and key in hand. Also, on the boat, I used the wire halyard as an antenna through an MFJ tuner, and had a ball!!

Leeds Mitchell

WA1GJF

Date: Sun, 15 Jul 2001 08:58:21 -0400

From: Bill Lazure <n2tpa@juno.com>

To: aturner13@triad.rr.com

Cc: QRP-L@lehigh.edu

Subject: [102634] Re: Low pass filter help

Message-ID: <20010715.093414.-226199.0.n2tpa@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Alex and all,

Have a look at RFsim. It's an RF simulator that could solve this problem in a hurry.

www.hydesign.co.uk

GL,

Bill

W2EB

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 15 Jul 2001 08:18:18 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-1@lehigh.edu
Subject: [102635] Packet Radio Computer
Message-ID: <5.1.0.14.2.20010715081558.00af2050@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Want a cheap computer for dedicated Packet Radio use? See:
<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1255241201>

Date: Sun, 15 Jul 2001 09:50:48 -0500
From: <mjfitz@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [102636] 2N22/40...two fer me!
Message-ID: <3B51ADC7.D9B63071@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just finished a second 2N22/40 rig. Built it a little differently this time...it's on three separate boards standing vertically in a 5 x 3 x 7 inch minibox...left out the varactors in the filter and just installed 230 pF caps there...expanded the VFO range by using a micro toggle (RS) to drop in the last 47 pF into the VFO (now tunes 7.000 - 7.175 MHz), installed this switch at the top corner of the VFO board so it is easy to "hit"... also increased the 2.2 ohm emitter resistors on the finals to 22 ohms so I don't blow them out (again) by forgettin' to switch the antenna switch or some other lapse (?) of attention...only reduces the output to a hair below 2 W from a max of 2.25.

If you haven't built one of these rigs...they are way fun and pretty easy to build. Thanks again to Jim, K8IQY, for the excellent design using 2N2222 transistors. It's a keeper.

See ya on 40 m...between the lightning crashes...

Mike NOMF

Date: Sun, 15 Jul 2001 10:51:57 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102637] Re: Miracle Antenna
Message-ID: <3B51AE0D.4D404579@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

No antenna can be called completely junk. If it is outside, short or not, it will radiate something. The problem is that the something may be so small as to be not noticed!

I think I have some pretty good experience with marginal antennas. I built and used my first about 1975. I was living in a California "stucco box" apartment but was determined to get on the air. I asked the land lord if I could put up an outside antenna. She said her husband ws a ham and he was continually interfering with her TV so NO!

I put up my first stealth wire antenna, about 35 beet of #26 magnet wire that ran from my kitchen window to a tack at the rear of the building's eaves. It was entirely under the eaves and very close to the building. It did work though, I had some very good QSOs with Michigan and the northwest. Of course I was running 100 watts from a TS520 too.

That antenna was tuned with a simple L-network and operated against the AC line as ground. The antenna was used on 40 meters!

I also built the first of my "infamous" helically wound dipoles back there. I built a 40 meter dipole that was 20 feet long. I resonated it and hung it in front of my living room windows. I fed it through a toroidal matching transformer designed to compensate for the abominably low feedpoint impedance. I used this antenna on 40 and on 15 meters, generally without a tuner. I used the TS520 and an Argonaut 509. I worked 45 states with it and several DC countries. This was entirely indoors!

Now, this all took place at the beginning of the 1978 sunspot cycle. How much help I got from that I can't say. Personally I think the

"Miracle Antenna" has three things against it. It is short. It uses no ground, and it never should have been published without some cautions about use. It is no miracle, though it will probably work. It may also lock up the PLL of your rig from RF feedback too!

73

Date: Sun, 15 Jul 2001 10:07:53 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Cc: n0tu@webaccess.net
Subject: [102638] Re: Miracle Antenna
Message-ID: <5.1.0.14.0.20010715093636.02081ec0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:55 AM 7/15/01 -0600, you wrote:

>Dave,

>

>Your SLTV sounds very interesting. What kind of Q are you seeing in ur

>loading coil? Steve/n0tu

> Hello Steve,

When W0NVN and I did the St. Louis Coil project the measured Q of the 3.25" diameter coil was 300 or 325. Can't remember exactly this morning and can't find the article!

Doubt if I will be using that coil other than for experimenting. The overhead weight with #14 wire and potted caterpillar grommets is too much for the St. Louis Traveling Vertical project as currently envisioned.

A smaller homebrew coil used by the 10-20M St. Louis Vest Pocket Vertical has a measured Q of 220. When I get around to the SLTV it will probably use the 1.25" diameter coil or something close to it. But, with everything lightened-up (a lot).

Based on current experiments with the St. Louis Vacation Vertical project the 1.25" diameter coil for the SLTV will need 50 turns or more to cover 10-40m on a back-of-the-rig installation.

Are you still running 20m mobile during the commute?

Dave

Date: Sun, 15 Jul 2001 08:23:24 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102639] SMK-1 Smoke Test - VE7SL
Message-ID: <006f01c10d42\$302ad2c0\$5e11f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Finally finshed my little SMK-1 last night. After hitting the eyedrops and putting away my magnifying glass, I crossed my fingers and powered-up. Wow...signals...first signal heard was PJ2T on 7040 working the IARU contest!! Tweaked both caps and hit the key and just about blew my head off...man that sidetone is loud. Played with the tuning. Tx VX0 only seems to move xtal about 1 KHz...anyone else getting this small swing? (or is this typical?) but RX seems fairly hot and tunes the proper amount.

Decided to pretend I was a tester since all the signals I could hear were testing.

Ended up with:

KT4ZX	KY
WA4GNI/7	WA
K7ABV	MT
VE7Q0	BC
N0AV	IA
WX0B	TX
AA9D	IL
W5WMU	LA
KQ2M	CT
N4A0	FL
N9BOR	IL

This little kit is very impressive and my hat is off to the Norcal gang for doing such a great job....thanks fellas!!

Let's see...9 states the first night...hhmmm.

73 / Steve / VE7SL

Date: Sun, 15 Jul 2001 09:32:59 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: <k5di@zianet.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102640] Re: Miracle Antenna
Message-ID: <Pine.LNX.4.33.0107150922500.1739-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bruce, I agree. K50I has an invisible dipole that he uses on fox hunts on 20 meters and is good at it. Fed with poor 300 ohm ribbon and all. I called the New Mexico Breakfast Club Net on 3939 khz this morning with half of my antenna on the ground! A couple of the guys mentioned I was not as strong as usual...

I ordered 2 rheostat's so will make 2 of the 48 inch loaded antennas and feed them from a 1:1 balun. This will make a very short dipole but loaded to resonance, and no longer lacking a good ground. Will see how that works. Might try even longer wires...

The secret to a good antenna is a Ham behind a radio hooked to the antenna.

On Sun, 15 Jul 2001, Bruce Muscolino wrote:

> Karl,
>
> No antenna can be called completely junk. If it is outside, short or
> not, it will radiate something. The problem is that the something may
> be so small as to be not noticed!
>
> I think I have some pretty good experience with marginal antennas. I
> built and used my first about 1975. I was living in a California

> "stucco box" apartment but was determined to get on the air. I asked
> the land lord if I could put up an outside antenna. She said her
> husband ws a ham and he was continually interfering with her TV so NO!
>
> I put up my first stealth wire antenna, about 35 feet of #26 magnet wire
> that ran from my kitchen window to a tack at the rear of the building's
> eaves. It was entirely under the eaves and very close to the building.
> It did work though, I had some very good QSOs with Michigan and the
> northwest. Of course I was running 100 watts from a TS520 too.
>
> That antenna was tuned with a simple L-network and operated against the
> AC line as ground. The antenna was used on 40 meters!
>
> I also built the first of my "infamous" helically wound dipoles back
> there. I built a 40 meter dipole that was 20 feet long. I resonated it
> and hung it in front of my living room windows. I fed it through a
> toroidal matching transformer designed to compensate for the abominably
> low feedpoint impedance. I used this antenna on 40 and on 15 meters,
> generally without a tuner. I used the TS520 and an Argonaut 509. I
> worked 45 states with it and several DC countries. This was entirely
> indoors!
>
> Now, this all took place at the beginning of the 1978 sunspot cycle.
> How much help I got from that I can't say. Personally I think the
> "Miracle Antenna" has three things against it. It is short. I uses no
> ground, and it never should have been published without some cautions
> about use. It is no miracle, though it will probably work. It may also
> lock up the PLL of your rig from RF feedback too!
>
> 73
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 15 Jul 2001 09:39:31 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <MITCHELLRI@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102641] Re: Miracle Whip Antenna
Message-ID: <Pine.LNX.4.33.0107150935290.1739-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

WOW Leeds, Thanks for the heads up on tuning with low power! The 817 seems to lack that and a way to protect against reverse polarity power. You need to be careful. I hope you get yours back soon and sure thank you for your experience with the antenna.

On Sun, 15 Jul 2001 MITCHELLRI@aol.com wrote:

> After all the recent discussion on the Miracle Whip, I thought I would
> reprise my earlier post.
> I built one using the ferrite core from my NJ QRP club BLT tuner.
> The resistor was an old Clarostat wirewound for speaker fading. (Was I
> fading?)
> Radio Shack (Can I call it that?) supplied the magnet wire and the connector
> to the radio. They also supplied the telescoping whip, the black box. So
> far, total investment, \$12.00.
> BTW, I recall that in the QST article, the author mentioned that a ground
> might create more problems than it would solve.
> Upon completion, on to the 817... results: No QSO's, but very efficient
> receive. SWR easily controlled. But Beware!!! Tune on LOW power. My 817 is
> at Yaesu for new finals, as there is no SWR protection in the radio.
> I can't wait to get the radio back, sit on the deck, (or on the boat) beer
> and key in hand. Also, on the boat, I used the wire halyard as an antenna
> through an MFJ tuner, and had a ball!!
>
> Leeds Mitchell
> WA1GJF
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 13 Jul 2001 20:25:23 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "List Qrp-l" <qrp-l@lehigh.edu>
Subject: [102642] OT: Managed list
Message-ID: <000001c10d44\$c99aff00\$7195d43f@NetZeroUser>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would not leave a managed list.

I would welcome a managed list.

Walt K8CV Royal Oak, MI

NetZero Platinum
No Banner Ads and Unlimited Access
Sign Up Today - Only \$9.95 per month!
<http://www.netzero.net>

Date: Fri, 13 Jul 2001 20:33:59 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "List Qrp-l" <qrp-l@lehigh.edu>
Subject: [102643] OT: for sale
Message-ID: <000101c10d44\$cb24ac40\$7195d43f@NetZeroUser>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

I have a working 1340 TenTec T-kit built and de bugged for sale
..... \$75 plus shipping or \$80 post paid.

I have a working, in NJ case SMK-1 for sale
.....\$45 plus shipping or \$50 pp.

I have bag of parts from Dan's and the Ckt board for the 2n22/40 for sale
\$35 plus shipping or \$40 PP.

Walt K8CV Royal Oak, MI

NetZero Platinum
No Banner Ads and Unlimited Access
Sign Up Today - Only \$9.95 per month!
<http://www.netzero.net>

Date: Sun, 15 Jul 2001 11:32:50 -0400
From: Bruce Muscolino <w6toy@erols.com>

To: "Karl F. Larsen" <k5di@zianet.com>, qrp-1@lehigh.edu
Subject: [102644] Re: Miracle Antenna
Message-ID: <3B51B7A2.966E4DD4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

Certainly the presence of experience cannot be discounted. I'm afraid there are far too many QRPers, and maybe others, who don't understand the concept of "There ani't no free lunch!" Many have gotten used to a rubber duck on a HT and think they can get away wit the same thing at HF. They don't realize that they provide the ground for their HT, but that they are physically small at HF.

I have an extensive background with short antennas and also marginal antennas. I used a marginal antenna for 18 years. I wrote it up for QST in June 1995. I was able to work DXCC, WAS, and WAC with it, at 5 watts, but then I had almost 30 years of experience when I started!

This is really my objection to seeing simple antennas in QST and other journals. Sure they work, but often they have to have a lot of help. The concept of sitting on your deck with an 18 inch whip and a box and working the world 599 is just a fantasy!

73

Date: Sun, 15 Jul 2001 11:45:44 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-1@lehigh.edu
Subject: [102645] FT-817
Message-ID: <3B51BAA8.5CA18508@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just looked at the Yaesu website for the FT-817. If you go there, note that the photograph of the hiker with the FT-817 seems to show VHF operation with a rubber duck, not HF operation!

73

Date: Sun, 15 Jul 2001 10:57:24 -0500

From: "Brian Murrey" <bmmurray@amexol.net>
To: "Robert P. Okas" <vintage@best.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102646] Re: Part Question
Message-ID: <002c01c10d46\$d814d400\$67382bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Robert,

Thanks for the most excellent information!

I'll dive into this and put those sheets in my data book. Good stuff to know.

I have a pile of MPS transistors I am sorting out. I don't think I came across any 18's yet but will keep my eyes out.

73

----- Original Message -----

From: "Robert P. Okas" <vintage@best.com>
To: "Brian Murrey" <bmmurray@amexol.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, July 15, 2001 2:22 AM
Subject: Re: Part Question

> Hi Brian & Gang,

>

> The complete data sheet is available at:
> <<http://www.onsemi.com/pub/Collateral/MPSA20-D.PDF>>

>

> This data sheet is one of the most complete I've ever seen for a
> transistor. Since noise graphs are provided, you can determine how noisy
> an amplifier will be. This device could be used in a "long tail"
> differential pair in an audio power amp. In fact, the noise curves on page
> 3 of the data sheet suggest this. Notice in Figure 3 how the input
> referred noise voltage curve at 30uA of collector current is the lowest of
> the others. Input stages typically draw low current.

>

> In a pinch, a 2N3904 could be subbed for the A20 if noise was not an
> issue. The 3904 is pretty quiet already. It's data sheet is also
> available at the onsemi site. Just sub 2N3903 for the MPSA20 in the
> previous url. You can see how the two devices are spec'd differently. It's
> annoying because one can't compare apples. The 3904 data sheet present

> noise figure data vs. the A20's voltage and current noise specs. A look at
> the other graphs suggests that switching is an intended application
> for the 3904.

>

> FWIW, I have a bunch of MPSA18's, which are a bit quieter. These make
> great preamp transistors and were used in various SWTPC amps. Grab a few
> if you ever come across them.

>

> 73,

> Bob - W3CD

>

>

> On Sat, 14 Jul 2001, Brian Murrey wrote:

>

> > I have some transistors marked MPS A20 and something I read somewhere
says

> > these are decent for audio amps.

> >

> > In my handy dandy Paul Harden Data Book, I do not see this one listed
BUT I

> > see a 2N3904 NPN transistor with the same Vce 40v and Ic of 100mA.

> >

> > I would guess these are interchangeable??

> >

> > I can't locate a datasheet on this MPS A20.

> >

> >

> > =====

> > KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223

> > 39.558 N 86.095 W Johnson Co., Indiana

> > GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w

> > Member of the American Radio Relay League - SOC #400

> > FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57

> > =====

> >

> >

>

>

>

>

>

Date: Sun, 15 Jul 2001 10:03:49 -0600

From: "James R. Duffey" <jamesd1@flash.net>

To: <qrp-l@lehigh.edu>

Subject: [102647] Rigs that Contesters Use

Message-ID: <B7771B04.B5ED%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The contesting reflector has had a survey going among its members as to the rigs they use. Since contesting is a severe and rigorous test of a receiver's front end, I thought that some QRPers might be interested in the preliminary results. Go to:

<http://ac6v.com/survey2.htm>

The Yaesu FT1000MP and Yaesu FT1000MP MkV lead the list. Somewhat surprisingly, the TS-850 is second which is pretty good for a design that is over 10 years old! I have an 850 and it has one of the best receivers that I have ever heard. Other points of interest; the Ten-Tec Omni VI is mentioned fairly often, and there is one mention of a K2-100, which I suppose is the K2 with a 100 watt amplifier, either Elecraft's design or somebody else's.

I hope that this is of interest to somebody. - Dr. Mergacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 15 Jul 2001 12:14:41 EDT
From: ARDUJENSKI@aol.com
To: jamesd1@flash.net, qrp-l@lehigh.edu
Subject: [102648] Re: Rigs that Contesters Use
Message-ID: <fd.90e288e.28831b71@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Good Info on contesting rigs. My approach is much simpler. Go with a modest rig and a modest antenna and let others spend the big bucks on the super radios and super antennas so they can work me (smile)
Thanks for the reference Dr. Megacycle-- Alan KB7MBI

Date: Sun, 15 Jul 2001 11:41:06 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>

To: <preacher102677@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102649] Re: Feedline...
Message-ID: <0c4901c10d4c\$f52060e0\$03000000a@mcg.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "G Brandon Hoyt" <preacher102677@juno.com>

> General consensus so far is that it works on low bands, not so good on
> high bands. Sorry to sound like a three year old, but why???

As the frequency goes up so do the line losses.

> Why not also go ahead and add spacers to the
> line to make it a true balanced feed?

The extra spacing would reduce the losses but also increase the impedance of the transmission line. The original idea was that the wire had about a 70 ohm impedance which is close to the impedance of the resonate dipole and transmitter output so there would be a low SWR. Changing the feedline impedance could add additional losses due to increased SWR.

> I'm mostly trying to eliminate
> solder joints. I see these as potential stress points in the set up, and
> I'm following the KISS pricipple.
> Thanks for the positive feedback! Iffen anything, I'll use the
> speakerwire feedline with my SMK this week from the beach.

Might I suggest you purchase the cheapest 300 ohm twinlead you can find and use a good heavy duty scissors to cut it down the middle for the 40 meter dipole. This will have much lower loss. In the future you can add a little balanced tuner such as the Z-match and use the antenna as a multiband antenna.

There is an antenna described in the ARRL Handbook (perhaps only older ones) that used 300 ohm twinlead and a few small caps that provides a 50 match and can be directly connected to the transmitter. I believe it can be made for any band. I can't find a reference to it at the moment, perhaps someone else can provide one.

I also recommend that anyone starting to learn about antennas is well served by first reading and understanding the section in the ARRL Handbook on transmission lines. Once you get this stuff, understanding antennas is

easy.

Hope this Helps,

73 de Cla KA0GKC

Date: Sun, 15 Jul 2001 10:09:39 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: N7SG K7FD <k7fd@hotmail.com>
Cc: qrp-1@Lehigh.EDU, elecraft@qth.net
Subject: [102650] Re: K1 Supercharger
Message-ID: <3B51CE53.8F1D15F6@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N7SG K7FD wrote:

>
> Thanks for the nice comments on the K1 'turbo' mod...hi. It seems quite a
> few are still waiting for their KBT1's to arrive from Aptos...but are
> anxious to install the battery option and mod.

Hi John,

Interesting mod (adding two more batteries), and nicely executed.

We considered doing something like this initially. But after doing lab and field tests, we concluded that 8 NiMH cells provide a very reasonable supply voltage for typical K1 field operation. The battery pack stays around 9.0-9.5 V during over 80% of its charge, and this voltage is an ideal match for a power level of 2 to 3 watts, based on calculations of the PA collector impedance.

Recall that the K1 has a 1:4 transformer at the PA output. This dramatically increases the power output available from low voltages. In fact, on my K1, which is not modified in any way, I can get over 6.5 watts output on 40 meters and about 5 watts on 20 meters at 9 volts. So there is no technical requirement to provide the K1 with a 12 V or higher supply. The double-regulation of the VFO, combined with the initial low-dropout 8V regulator, ensures stable operation from voltages down to near 8 V.

What your mod offers is the ability to operate at higher power levels (when necessary), and also some increase in operating time as the batteries drop below 1 V per cell. However, for NiMH cells, this cell

voltage indicates that the batteries are near the end of charge anyway, so you won't get a huge amount of extra time just because there are two more cells.

Regarding operating time with new batteries: NiMH cells do tend to gain energy density after the first one or two full charge cycles.

73,
Wayne
N6KR

Date: Sun, 15 Jul 2001 11:08:59 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <mailto:preacher102677@juno.com>
Subject: [102651] Re: feedline...
Message-ID: <B7772A4B.B5F4%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Brandon - I advise against using zip cord feedlines, even at the lower bands.

Consider the following chart:

Feedline type	loss (in dB) for 100 ft when feeding 50 Ohm Dipole				
	3.5 MHz	7.0 MHz	10 Mhz	Cost/100ft	Improvement cost/dB 10 Mhz
Zip Cord	0.9	1.8	2.8	\$3.00	NA
RG8X	0.6	0.8	1.0	\$18.00	\$10
RG-58A	0.7	1.1	1.5	\$19.00	\$15
RG-213	0.35	0.6	0.7	\$40.00	\$19
450 Ohm Ladder Line			0.3	\$22.00	\$ 9

The last column shows how much the improvement over zip cord at 10 Mhz costs in terms of dollars rounded off to the nearest dollar. I obtained this by dividing the cost of the feedline per 100 ft by the number of dB improvement over the zip cord losses.

Both the zip cord and 450 Ohm line numbers include additional losses for SWR, which are small in both cases. One should probably add tuner losses to the 450 Ohm ladder line numbers, which are probably on the order of a few tenths of a dB. The additional cost of an antenna tuner for the 450 Ohm line is not included.

The feedline costs were obtained from the back of July QST and the feedline loss numbers from the latest Antenna Handbook. When are they going to update the plot of feedline loss as a function of frequency to include RG8X type coaxes? The Antenna Book must have gone through half a dozen editions since that popular feedline was introduced. It is in the table of transmission line loss though, so one can calculate the numbers needed.

Feedline is not a place to skimp in the station budget. The cost of good feedline is probably less than 10% of the cost of an inexpensive station, and only a few percent of the cost of a modest one. Where else in your station can you gain nearly 2 dB improvement for less than a \$20 bill?

There may be places in ham radio to accept feedline losses, such as trading off feedline weight (and increased losses) in backpacking, or reduced size (and increased loss) with visibility in restricted antenna areas but the typical home station is usually not one of them.

I hope that this helps. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 15 Jul 2001 12:19:58 -0500
From: "George, W5YR" <w5yr@att.net>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102652] Re: feedline...
Message-ID: <3B51D0BE.F7FA88CA@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One thing that muddies the water on this topic is "what is zip cord?"

Back in the 30's and early 40's, it was "extension cord" made with rubber insulation covered with green and yellow cloth! Later it was rubber stuff that looks like the present-day POSJ extension cord material, except that today's product is made of some plastic.

The Radio Shack speaker wire is still another parallel conductor cable made with a transparent plastic insulation.

Articles in QST over the decades have evaluated all of these types and have come up with the usual admonition that "it works" but "it can be lossy" but "it is light ant convenient" and "it is cheap" etc. The Zo of the different cables vary all over the place, but for many applications this is not that critical - most of them seemed to run around 100 ohms.

So, in the spirit of ham radio, anything is worth a try but Jim's point is very well taken: do not scrimp of feedline quality or type if you can avoid it.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"James R. Duffey" wrote:

>

> Brandon - I advise against using zip cord feedlines, even at the lower
> bands.

Date: Sun, 15 Jul 2001 11:23:36 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <ka0gkc@arrl.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [102653] Re: Feedline...
Message-ID: <B7772DB8.B5F9%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Cla - The twinlead antanna you describe is in the latest Antenna Book in the chapter "Portable Antennas". Ironically it is right before the discussion on zip cord antennas.

I found the same information in my 1993 ARRL Handbook, but could not find it in my 2001 or 1996 Handbook. I am always amazed at how stuff falls out of the Handbook without my notice until I look for it and find it hasn't been there for years!!

The antenna described, a folded dipole fed with 300 Ohm twin lead matched to 50 Ohm coax with a capacitor is quite effective. Paul, NA5N and I used one

during FYB0 and it worked fine. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 15 Jul 2001 13:32:21 -0400
From: "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
To: <n6kr@elecraft.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102654] RE: K1 Supercharger
Message-ID: <LPBBJAGIPFHKPJENAKLOMEDPFEAA.n1bq@wulfdn.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: Wayne Burdick
> Sent: Sunday, July 15, 2001 13:10 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: K1 Supercharger

[snip]

> What your mod offers is the ability to operate at higher power levels
> (when necessary), and also some increase in operating time as the
> batteries drop below 1 V per cell. However, for NiMH cells, this cell
> voltage indicates that the batteries are near the end of charge
> anyway, so you won't get a huge amount of extra time just because
> there are two more cells.
>
> Regarding operating time with new batteries: NiMH cells do
> tend to gain energy density after the first one or two full charge
> cycles.

Interesting ... Wayne, I had bought a Rat Shack 9.6v NiMH pack to use
in my FT-817, but decided to buy one W4RTs One-Plus Power units instead
... so my thought is to use the RS pack on my K-1, just putting an
appropriate 'tweenie' to go from the RS Molex connector to the back of
the K-1. My question is will that give me less power than the battery
pack in the KBT1? That is to say, is the diode in series with the
internal pack as well as the external power plug?

Date: Sun, 15 Jul 2001 13:32:23 -0400
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102655] RE: feedline...
Message-ID: <LPBBJAGIPFHKPJENAKL00EDPFEEA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: George, W5YR

> Sent: Sunday, July 15, 2001 13:20 PM

> One thing that muddies the water on this topic is "what is zip cord?"

[snip]

> So, in the spirit of ham radio, anything is worth a try but

> Jim's point is very well taken: do not scrimp of feedline quality or

> type if you can avoid it.

The point that is being lost here is that we are talking "zip cord dipoles," we are about lightweight antennae for field/backpacking/pedestrian mobile use, where we are not dealing with 100 feet! We are talking about splitting it up for, say a 20 meter dipole with 15 feet of feeder to a K-1/K-2, FT-817, etc ... the dB figures for that length are miniscule ... the savings here hasn't anything to do with money, it is weight ... every oz. not on your back is worth plenty!

72 de brian, n1bq

Date: Sun, 15 Jul 2001 13:35:19 -0400
From: <brownh@hartford-hwp.com>
To: jmlowman@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [102656] FD power generation (was Re: Quiet List)
Message-ID: <200107151735.f6FHZJZ29083@hartford-hwp.com>

Jim's point about the list being quiet was all the invitation I needed to ask an off-the-wall question.

For QRP/FD, one's power requirements are modest. I live in an often cloudy/rainy environment where solar panels are unreliable, and a full sized gasoline generator is out of the question.

It occurred to me that a steam engine driven generator would be a lot small in size, would be easier to store for this urban cave dweller, and would be friendlier to the environment (including trying to get sleep in a tent on field day as someone else is working the rig).

Anyone know of a commercially available steam engine-generator combination that is light and small, burns a readily available liquid or gas fuel, is preferably compact and with closed water system, but sufficient to support a QRP rig + laptop?

--

Haines Brown
brownh@hartford-hwp.com
www.hartford-hwp.com
KB1GRM

Date: Sun, 15 Jul 2001 13:14:56 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [102657] Very short vert antennas
Message-ID: <200107151746.f6FHK9Z12384@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Okay, with all this talk about the Miracle antenna, I got to thinking. Wal-Mart sells fiberglass replacement dome tent poles which could make a nice form for a short, loaded vertical. Thier 2 ft long and 3/8" dia, with an aluminum coupler on one end.

So, what if one were to wind some wire over the 2 ft length of the pole, and add a telescopic whip at the top where the pole coupler is? Might that not make a half decent shortend vertical, for say 20M and higher? And since you get four poles in a package, one of the spares could be used as a support to push into the ground. Add your 1/4 wave radials and set it up on a mountain top, it might get out all right :-)

Yet another project to add to the list of things I got to try
someday...

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Sun, 15 Jul 2001 11:49:18 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Cc: Bruce Prior <n7rr@hotmail.com>, <mustangirl74@yahoo.com>
Subject: [102658] Glacier/Waterton hamfest
Message-ID: <Pine.LNX.4.33.0107151134290.27251-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bonnie & I + daughter & 2 granddaughters will be leaving here early
Thursday morning for the Glacier/Waterton hamfest.. 10 hours later, we'll
arrive at the Mountain Pine Motel in Easter Glacier, 16 miles east of the
2 Forks Campground... the Mountain Pine will be chuck full of hams as
usual....I won't see an agenda until I check in at the campground but
the last e-mail I received from one of the hamfest Directors indicated the
QRP Get-together will be on Saturday morning...we'll do our Show & Tell
thing PLUS Jay & Judy, WA5WHN & WB5LYJ, will be featured with their
FT-817....safe travelling everyone!!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

-ps- if someone can bring a tripod to mount my 35mm camera on for the
group picture, that would be nice...tnx ('ol shaky hands).

Date: Sun, 15 Jul 2001 11:08:00 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Elecraft
<elecraft@qth.net>
Subject: [102659] Re: K1 Supercharger; KBT1 low-drop protection diode

Message-ID: <3B51DBFE.E0D34EB8@elecraft.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

"Brian B. Riley, N1BQ" wrote:

> I had bought a Rat Shack 9.6v NiMH pack to use
> in my FT-817, but decided to buy one W4RTs One-Plus Power units instead
> ... so my thought is to use the RS pack on my K-1, just putting an
> appropriate 'tweenie' to go from the RS Molex connector to the back of
> the K-1. My question is will that give me less power than the battery
> pack in the KBT1? That is to say, is the diode in series with the
> internal pack as well as the external power plug?

Brian,

The KBT1's reverse-polarity protection diode is only in series with the K1's internal battery. The K1 itself also has a reverse-polarity protection diode, which is only in series with the external power supply. However, they are two entirely different diodes, and this has a bearing on your question.

The 95SQ015 diode supplied with the KBT1 is optimized for low-voltage use, and drops less than 0.2 V at 500 mA. (It's a very expensive diode, which trades a small increase in reverse leakage for a decrease in voltage drop in battery-powered systems. It's rated at 9 amps.) So, when you use the internal battery, the K1's voltmeter will indicate about 0.1 V lower on receive and 0.2 V lower on transmit than the battery's actual terminal voltage. We felt that the extra expense for this diode was worth it, specifically so you could get the best possible "mileage" from an internal 8-cell NiMH pack. NOT supplying a reverse-polarity protection diode for the battery was never even considered. This is a very important safety feature. And it's much safer to use a series diode than to depend on a shunt diode and a fuse. (The K2--a more expensive rig--actually includes both types of protection.)

The K1's normal reverse-polarity protection diode is a more conventional Schottky power type that drops about 0.5 V at 500 mA. The K1 internal voltmeter will indicate about 0.3 V lower on receive and 0.5 V lower on transmit than the external supply voltage.

So, to answer your question (finally!), you will get more usable voltage from the K1's internal battery than from an external battery, assuming the two have the same terminal voltage. You could replace the normal K1 reverse-polarity protection diode with a 95SQ015, though, and the two would then be identical.

73,
Wayne

Date: Sun, 15 Jul 2001 11:11:00 -0700
From: Chris Trask <ctrask@qwest.net>
To: bob@atl.org, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102660] Re: Poynting and Maxwell must be WRONG if CFA is to work!
Message-ID: <3B51DCB3.A489E263@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, if you yourself what to go public and claim that Maxwell and Poynting are wrong, please go ahead and do so. Give full details.

>
> The arguments I've seen by CFA proponents
> do not apply the theory as designed.
>
> In short they claim the CFA antenna works because
> a network is used to shift the phase of either the
> current or the voltage component of the applied AC
> resulting in large E and H radiation from a physically
> small (relative to wavelength) antenna.
>

The matching network applies power to the two coincident elements in the proper phase and magnitude to produce the E-field from the one radiator and the H-field from the other. There is no "magic" here and the concept is correctly described. Over and over and over....

>
> What they neglect to account for is these E and H
> fields, while seemingly juxtaposed as if each were
> supporting the other, are instead each accompanied
> by it's own smaller Maxwellian counterpoint.
> The two are components of two independent radiations!
>
> There is magic here. It's the magic that people accept that
> the large independent E and H combine to make a new
> radiation.
>

The inventors have never claimed that the coincident radiators do not

produce a small counterpoint field. This claim has been made by numerous detractors, and never by the inventors. The word "predominant" or "dominant" is used, as it should (or should be at all instances).

It is not "magic" by any stretch of the imagination, unless by ignoring the rule of reciprocity you look at Poynting and Maxwell in only one direction. The entire concept of recognizing that both theorems can be true if and only if they comply with reciprocity is what gave birth to the CFA in the first place. There is absolutely no "magic" involved here, just a matter of looking at classical EM theory from the aspect that Poynting and Maxwell must be both driven and driving functions (ie - application of the rule of reciprocity) if they are at all valid.

The real hurdle was in devising the physical elements so that they would generate strong E-fields and H-fields by way of separate radiators and be able to produce the correct phase and amplitude relationship in order to create the propagating wavefront, as per Poynting. There are still physical problems with the matching network, and as with all emerging technologies these difficulties will be overcome. One of the earlier experiments, as I am told, used a separate power amplifier for each element, with the phasing network placed earlier in the transmitter. This was impractical as it would not accommodate the retrofit of existing transmitters. It did solve the problem with loading the matching network, though.

There is no "magic" involved. If you can get people to believe that an EM field in the proper phase and amplitude relationship will create a propagating wave, then by way of reciprocity they must also believe that a propagating wave is created by an E-field and an H-field in the proper phase and amplitude relationship. The propagating wavefront does not care at all if the EM field is generated by a single radiator or by two separate and coincident radiators. All that matters is the proper phase and amplitude relationship. Care to show us where there is any "magic" involved in the concept?

>
> Show me where Poynting and/or Maxwell explain the
> combination of independent E and H fields into a new
> radiation, and then I'll BELIEVE!
>

They always have. And it takes very little to understand that the concept of generating the E-field and H-field from separate coincident radiators will result in a propagating wavefront. The "magic" applied by most of the detractors is that they are trying to get people to believe that the two radiators are physically separated, which they are not. Care to show me a CFA where the E-field element and the H-field element are separated?

The key word here is "coincident".

>
> show me how to make independent E and H fields that are
> not married to their counterparts, never mind joining them
> to form a new radiation, and I'll BELIEVE!
>

Easily done. Read and understand Poyning and Maxwell thoroughly, and then apply reciprocity. That's all that's required, and better than 90% of the arguments are centered around that one fine point. This is where we separate those who do understand electromagnetics from those who don't. You can prove this to yourself if you have an adequate understanding of physics at an undergraduate level. It is not rocket science.

>
> Show me how the more fundamental 'principle of superposition'
> fails for EM waves and I'll BELIEVE!
>

Who said that it fails? The antenna creates the required E-field and H-field in the proper phase and amplitude, thus generating the propagating wave.

There's no "magic" involved here. All that's happened is that a couple of inventors with a good background in electromagnetics looked at EM radiation from a different standpoint and realized that they could eliminate the fresnel zone of a physically large antenna by generating the EM field as point source. Generating the E-field and H-field by way of coincident elements was the bulk of the effort in the invention process, as was the physical realization.

> -bob
> wb4mnf/kh6
> skeptical of those 1+1 equal 3 arguments as well....

>
>
> -----
>

> Message-ID: <3B4E15EF.B0F56867@qwest.net>
> Date: Thu, 12 Jul 2001 14:26:07 -0700
> From: Chris Trask <ctrask@qwest.net>
> To: bob@atl.org
> CC: glowbugs@piobaire.mines.uidaho.edu
> Subject: Re:
> Content-Length: 2495

The capacitor matcher sounds neet.
How do I do that, for I only have the 2001 handbook?

On Sun, 15 Jul 2001 11:23:36 -0600 "James R. Duffey" <jamesd1@flash.net> writes:

> Cla - The twinlead antenna you describe is in the latest Antenna Book
> in the
> chapter "Portable Antennas". Ironically it is right before the
> discussion on
> zip cord antennas.

>
> I found the same information in my 1993 ARRL Handbook, but could not
> find it
> in my 2001 or 1996 Handbook. I am always amazed at how stuff falls
> out of
> the Handbook without my notice until I look for it and find it
> hasn't been
> there for years!!

>
> The antenna described, a folded dipole fed with 300 Ohm twin lead
> matched to
> 50 Ohm coax with a capacitor is quite effective. Paul, NA5N and I
> used one
> during FYBO and it worked fine. - Dr. Megacycle KK6MC/5
> --

> James R. Duffey KK6MC/5
> 30 Casa Loma Road
> Cedar Crest, NM 87008
>

LIC,
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL Clear.

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 15 Jul 2001 09:30:27 MST
From: Mark E Gustoff <wo7t@juno.com>
To: qrp-L@Lehigh.edu

Subject: [102662] Patcomm PC-500 Review
Message-ID: <20010715.111056.-1626503.1.wo7t@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow QRPer's:

I asked on www.eham.net some months ago for comments from buyers of the new PC-500 rig from Patcomm. Nobody had anything to say. Thus, as I explained to the XYL, I must do the only noble thing in ham radio, and buy it myself, and if worthy draft my own review of the rig for others. I don't think she bought it, but I did buy the rig, and I did right up a review, for those interested.

For a limited time, you can see it off the link below provided by Antennex magazine.

72,
Mark
W07T/qrp

Mark: Okay, a copy of your article has been placed in the outside Preview section at:
<http://www.antennex.com/preview/Folder04/Jul401/patcomm.html>

Best regards,
Jack L. Stone

... <http://www.antennex.com>

antenneX Online Magazine
P.O. Box 72022
Corpus Christi, TX 78472
USA

EM: jack@antennex.com
VM: 361.855.0250
FX: 361.692.3528

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 15 Jul 2001 11:24:26 -0700
From: KB7WW Art Moe <kb7ww@uswest.net>
To: brownh@hartford-hwp.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102663] Re: FD power generation (was Re: Quiet List)
Message-ID: <3B51DFDA.4B2995D5@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Why not one of the low noise modern generators? Mine is 600 watts weighs less than 30 lb. and I can sleep with it running.

Art
KB7WW

brownh@hartford-hwp.com wrote:

>
> Jim's point about the list being quiet was all the invitation I needed
> to ask an off-the-wall question.
>
> For QRP/FD, one's power requirements are modest. I live in an often
> cloudy/rainy environment where solar panels are unreliable, and a full
> sized gasoline generator is out of the question.
>
> It occurred to me that a steam engine driven generator would be a lot
> small in size, would be easier to store for this urban cave dweller,
> and would be friendlier to the environment (including trying to get
> sleep in a tent on field day as someone else is working the rig).
>
> Anyone know of a commercially available steam engine-generator
> combination that is light and small, burns a readily available liquid
> or gas fuel, is preferably compact and with closed water system, but
> sufficient to support a QRP rig + laptop?
>
> --
> Haines Brown
> brownh@hartford-hwp.com
> www.hartford-hwp.com
> KB1GRM

Date: Sun, 15 Jul 2001 11:22:33 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: wo7t@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102664] Re: Patcomm PC-500 Review
Message-ID: <3B51DF69.43730776@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is also a reveiw here:

http://www.natworld.com/ars/pages/back_issues/2001_text/0601_text/pc500_intro.html

Phil W7OX

Mark E Gustoff wrote:

>
> Fellow QRPer's:
>
> I asked on www.eham.net some months ago for comments from buyers of the
> new PC-500 rig from Patcomm. Nobody had anything to say. Thus, as I
> explained
> to the XYL, I must do the only noble thing in ham radio, and buy it
> myself, and if
> worthy draft my own review of the rig for others. I don't think she
> bought it, but
> I did buy the rig, and I did right up a review, for those interested.
>
> For a limited time, you can see it off the link below provided by
> Antennex magazine.
>
> 72,
> Mark
> W07T/qrp
>
> -----
> -----
>
> Mark: Okay, a copy of your article has been placed in the outside Preview
> section at:
> <http://www.antennex.com/preview/Folder04/Jul401/patcomm.html>
>
> Best regards,
> Jack L. Stone
>
> ... <http://www.antennex.com>

>
> antenneX Online Magazine
> P.O. Box 72022
> Corpus Christi, TX 78472
> USA
>
> EM: jack@antennex.com
> VM: 361.855.0250
> FX: 361.692.3528
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Sun, 15 Jul 2001 12:40:18 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Cla KA0GKC <ka0gkc@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102665] Re: Feedline...
Message-ID: <Pine.LNX.4.33.0107151232030.2126-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Cla, that's a heck of a good idea! I want to make a good 80 meter dipole for the Flagstaff QRP days and will buy 100 feet of 300 ohm ribbon, and make the flat-top 135 feet long and have a 33 foot feedline. Feed it to my MFJ tuner which has a balanced input and it should load well on all bands from 80 through 10 meters. Our 817 should get out fine with this.

On Sun, 15 Jul 2001, Cla KA0GKC wrote:

>
> ----- Original Message -----
> From: "G Brandon Hoyt" <preacher102677@juno.com>
>
> > General consensus so far is that it works on low bands, not so good on
> > high bands. Sorry to sound like a three year old, but why???
>
> As the frequency goes up so do the line losses.
>
> > Why not also go ahead and add spacers to the
> > line to make it a true balanced feed?
>
> The extra spacing would reduce the losses but also increase the impedance of

> the transmission line. The original idea was that the wire had about a 70
> ohm impedance which is close to the impedance of the resonate dipole and
> transmitter output so there would be a low SWR. Changing the feedline
> impedance could add additional losses due to increased SWR.
>
> > I'm mostly trying to eliminate
> > solder joints. I see these as potential stress points in the set up, and
> > I'm following the KISS pricipile.
> > Thanks for the positive feedback! Iffen anything, I'll use the
> > speakerwire feedline with my SMK this week from the beach.
>
> Might I suggest you purchase the cheapest 300 ohm twinlead you can find and
> use a good heavy duty scissors to cut it down the middle for the 40 meter
> dipole. This will have much lower loss. In the future you can add a little
> balanced tuner such as the Z-match and use the antenna as a multiband
> antenna.
>
> There is an antenna described in the ARRL Handbook (perhaps only older ones)
> that used 300 ohm twinlead and a few small caps that provides a 50 match and
> can be directly connected to the transmitter. I believe it can be made for
> any band. I can't find a reference to it at the moment, perhaps someone
> else can provide one.
>
> I also recommend that anyone starting to learn about antennas is well served
> by first reading and understanding the section in the ARRL Handbook on
> transmission lines. Once you get this stuff, understanding antennas is
> easy.
>
> Hope this Helps,
>
> 73 de Cla KA0GKC
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 15 Jul 2001 11:46:51 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [102666] WX4S qrm on 14.060
Message-ID: <F245GWSa1aNEVJpjc0D000003386@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Does anybody know why WX4S sits on .60 and sends EPK til he's blue in the face? I've heard this more than once and yet to figure out what the devil he's up to! Just curious...

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 15 Jul 2001 12:03:12 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [102667] Re: Managed list
Message-ID: <00b601c10d60\$cbb765a0\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I, on the other hand, will not be on a managed/moderated list. In my view, it says I am too ignorant and too lazy to decide for myself what to read and not read, what is wheat and what is chafe. And that I want someone else to do it for me. I find both the premise and solution offensive. I also vote Libertarian when there is a candidate, so not wanting the government or ACLU or Christian Coallition or anyone else solving my problems for me is not a suprise ;-). Helping me when I ask for it is greatly appreciated and I will do the same for you if I can. I think it is the presumption before the fact that I am going to need help that ruffles my feathers.

And let it be known to all yea present that is not directed at Walt personally. I just am hitting the reply key to his message. Were it personal, no one would be seeing this except him. So far as I know, Walt is a fine, upstanding gentleman who just sees the same situation differently than I do.

Gary

----- Original Message -----

From: "Walt Amos" <k8cv@netzero.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, July 13, 2001 5:25 PM
Subject: OT: Managed list

> I would not leave a managed list.

>
> I would welcome a managed list.
>
> Walt K8CV Royal Oak, MI
>
>
> NetZero Platinum
> No Banner Ads and Unlimited Access
> Sign Up Today - Only \$9.95 per month!
> <http://www.netzero.net>

Date: Sun, 15 Jul 2001 12:06:08 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: ctrask@qwest.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102668] Re: Poynting and Maxwell must be WRONG if CFA is to work!
Message-ID: <016301c10d61\$34a4f820\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

What's CFA?

Lou W7DZN

Date: Sun, 15 Jul 2001 12:12:37 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [102669] Sprint Today
Message-ID: <F224taFcFzr8cgVtu8T0000338d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hope to catch you in the QRPARCI Sprint today at 2000Z...

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 15 Jul 2001 14:18:41 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: k7fd@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102670] Re: WX4S qrm on 14.060
Message-ID: <3B51EC91.81117525@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

N7SG K7FD wrote:

>
> Does anybody know why WX4S sits on .60 and sends EPK til he's blue in the
> face? I've heard this more than once and yet to figure out what the devil
> he's up to! Just curious...

John, he probably thinks its cute to put an unneeded beacon on the air,
just because he can.

73 de Dave, N0IT

Date: 15 Jul 2001 19:20:03 America/Fort_Wayne
From: Michael Goins <mgoins@usa.net>
To: qrp-1@lehigh.edu
Subject: [102671] OT: Managed list
Message-ID: <20010715192003.18958.qmail@awcst401.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

While I completely understand Gary's point of view, I tend to agree with =
Walt.

I do not want a moderated list, however, without one we have what we have=
seen
recently, and I doubt many of us want that either.

Freedom of speech and choice is what it is all about, however most of us =
are

here because of an interest in low power radio and it's related topics. I=
feel

that personal issues should be handled as personal emails, not within the=

general forum. Off topic issues, whether personal attacks or something li=
ke

the multitude of "Radio Shack" postings (for example) are not beneficial =
to

any of us. =

Count me in for a moderated list once again, with off topic issues relagated to a reponse or two and then we move on. =

One opinion.

mike
wb5yjx

=

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sun, 15 Jul 2001 15:24:45 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102672] RE: Managed list
Message-ID: <CKEGICNFDIMCEKEDCEHFGEBBHNAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You misunderstand the function of a list manager Gary. What you are referring to is a MODERATED list. The difference is that a MODERATOR-more or less (and mostly MORE) decides what will be published. Whereas, the function of a list MANAGER is to maintain order of a sort-usually AFTER the fact. That is done by having a set of rules, and enforcing them should someone CHOOSE to ignore them.

Namecalling and other open insults; (often) auctions-as opposed to FS w/price; redirection to ebay (the occasional: 'can you believe this?' being OK; are all examples of behavior that most list managers seek to discourage. A GOOD list manager should be nearly invisible. Yes, on occasion, something is going to come up that needs to be nipped, and nipped quickly; but not all that often. And yes, sometimes there can come a time for a MODERATION action: the recent Radio Shack thread being as good an example of that as I've ever seen. Not only was that horse beaten to death, the very tissues were flayed from the bones.

A clearcut understanding of what will-and what will not-be tolerated, helps everyone. One doesn't run amuck throwing people OFF the list-the objective is to keep them ON.

Certainly well-founded criticism OF A NON-PERSONAL NATURE must be ENCouraged-and a list manager's job is to know the difference.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sun, 15 Jul 2001 12:26:06 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: dtx@wood.tzo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102673] Re: Managed list
Message-ID: <3B51EE4E.F56C232C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

DTX wrote:

>
> I, on the other hand, will not be on a managed/moderated list. In my view,
> it says I am too ignorant and too lazy to decide for myself what to read and
> not read

I agree, FWIW .. even if I really am a bit lazy :-; My DEL agility is still working for me.

Phil W7OX

Date: Sun, 15 Jul 2001 12:46:59 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102674] Re: Sprint Today
Message-ID: <000501c10d66\$eb69f6a0\$6c11f4cc@jms>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Boscoe...I'll be pounding away on 7.0395 with the new SMK-1...see you there
I hope, although I know the higher bands will be much more appealing at this
time : >)

72 / Steve / VE7SL

> Hope to catch you in the QRPARCI Sprint today at 2000Z...
>
> 73 John K7FD
> _____
> Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 15 Jul 2001 16:02:02 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "Antennas Reflector" <antennas@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [102675] Hy-Gain/MFJ brings back the Hy-Tower
Message-ID: <CKEGICNFDIMCEKEDCEHFMEBDHNAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In a move I have been wanting to see for ages, Hy-Gain
<<http://www.hy-gain.com/hy-gain/products.php?prodid=AV-18HT>> has brought
back the 18-HT Hy-Tower! Still no WARC, but no traps either
("stub-decuppling"), all SS hardware, and a tilt-over base. Not cheap (~\$740
list) but I'm gonna start saving my \$\$\$ today! You put out the radials for
this puppy and it'll do the job!!!

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sun, 15 Jul 2001 16:13:01 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [102676] OT: Paper comparing vertical antennas
Message-ID: <103.601d0af.2883534d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

A few months ago I viewed a sight that contained a paper for sale (about \$17) that did actual field test comparison of several of the more popular vertical antenna designs. I have lost the site. Can anyone in this group give me the reference? Also has anyone read this report?
Thanks--Alan KB7MBI

Date: Sun, 15 Jul 2001 14:18:39 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102677] Re: FT-817
Message-ID: <Pine.LNX.4.33.0107151411070.2126-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bruce, If you look at the same actor on page 22 of the July 2001 QST, he is using VHF in the field, HF? camping and at home. And all three places he is using phone, not CW. Since it has a built in keyer you would think one scene would have a paddle in use. Any actor could put his hand near one and look good.

On Sun, 15 Jul 2001, Bruce Muscolino wrote:

> Just looked at the Yaesu website for the FT-817. If you go there, note
> that the photograph of the hiker with the FT-817 seems to show VHF
> operation with a rubber duck, not HF operation!

>

> 73

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 15 Jul 2001 14:30:41 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: N7SG K7FD <k7fd@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102678] Re: WX4S qrm on 14.060
Message-ID: <Pine.LNX.4.33.0107151423340.2474-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I too have heard this John, and will go to QRZ and see if I can get his name and address. I called him a couple of times but he never answers but does stop for a minute or 2. I suspect he is very old.

Well He is:

Edward Ingraham
Jonesborough, TN
ingraham@tricon.net

according to QRZ. I will drop him an e-mail and see if he answers.

On Sun, 15 Jul 2001, N7SG K7FD wrote:

> Does anybody know why WX4S sits on .60 and sends EPK til he's blue in the
> face? I've heard this more than once and yet to figure out what the devil
> he's up to! Just curious...

>

> 73 John K7FD

>

> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com>

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 15 Jul 2001 14:55:35 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>, <n1bq@wulfden.org>
Subject: [102679] RE: feedline...
Message-ID: <B7775F67.B607%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Brian - I tried to address your concern:

"The point that is being lost here is that we are talking "zip cord dipoles," we are about lightweight antennae for field/backpacking/pedestrian mobile use..."

with my closing paragraph:

"There may be places in ham radio to accept feedline losses, such as trading off feedline weight (and increased losses) in backpacking..."

I agree that you don't even want to take 15 feet of RG-213 backpacking. But I still think that there are better choices than zip cord; RG-174 has nearly the same loss at much less weight than zip cord. I think that we agree here.

- Duffey

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 15 Jul 2001 15:11:12 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: G Brandon Hoyt <preacher102677@juno.com>
Cc: <qrp-l@lehigh.edu>
Subject: [102680] Re: Feedline...
Message-ID: <B7776310.B60A%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Brandon - To your query;

"The capacitor matcher sounds neat.
How do I do that, for I only have the 2001 handbook?"

I propose the following:

0. Purchase an Antenna Book. You will use it as a reference often. Or ask for one as a Birthday, Christmas or Anniversary present.
1. Borrow a copy of the Antenna Book from a fellow ham.
2. Borrow an old Handbook from a fellow ham.
3. Purchase an old Handbook or Antenna Book that has the plans in it at a Hamfest.
4. Many radio clubs have libraries that might include these references.
5. See if your local library has either an old Handbook or an Antenna Book that has the plans in it.
6. If your library doesn't have it see if they can get it through interlibrary loan.

These might be on the ARRL pages, but I don't know. You should really have an Antenna Book though. - Duffey

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 15 Jul 2001 17:29:13 -0400
From: "Richard Clemens" <clemens@wvwc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102681] Re: Sprint Today
Message-ID: <001101c10d75\$3369f000\$0301000a@mshome.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hear very little activity on 20.060

--

Rich Clemens

clemens@wwwc.edu

Date: Sun, 15 Jul 2001 14:40:40 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [102682] Re: Sprint Today
Message-ID: <F146JTE15FoJ8YjhQ9B000034ee@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

:) really?

You might try inside the ham bands, too. Just teasin...

73 John K7FD

>
>I hear very little activity on 20.060
>--
>Rich Clemens
>clemens@wwwc.edu
>
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 15 Jul 2001 17:44:47 -0400
From: Pete Burbank <plburbank@kih.net>
To: dtx@wood.tzo.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102683] Re: Managed list
Message-ID: <5.0.2.1.0.20010715173816.00a87870@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:03 PM 7/15/2001 -0700, DTX wrote:

>I, on the other hand, will not be on a managed/moderated list. In my view,
>it says I am too ignorant and too lazy to decide for myself what to read and
>not read, what is wheat and what is chafe. And that I want someone else to

>do it for me. I find both the premise and solution offensive. I also vote
>Libertarian when there is a candidate, so not wanting the government or ACLU
>or Christian Coalition or anyone else solving my problems for me is not a
>surprise ;-). Helping me when I ask for it is greatly appreciated and I will
>do the same for you if I can. I think it is the presumption before the fact
>that I am going to need help that ruffles my feathers.

>

>And let it be known to all ye present that is not directed at Walt
>personally. I just am hitting the reply key to his message. Were it
>personal, no one would be seeing this except him. So far as I know, Walt is
>a fine, upstanding gentleman who just sees the same situation differently
>than I do.

>

>Gary

What kind of a post is this??? Hi! I'm Gary and I'm a Libertarian. No last
name , no call letters
no location.
Pete NV4V Kentucky

Date: Sun, 15 Jul 2001 17:52:49 -0400
From: "Bill Wetherill" <n2wg@ec.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [102684] FOR SALE OHR-500 & DD-1
Message-ID: <003a01c10d78\$7d576280\$eb011a42@ec.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an OHR-500 5 Band CW Transceiver with built in Keyer and DD-1
Frequency Counter. See <http://www.ohr.com/> for more details. I built it, and
it is well built. In excellent condition. Have used it very little since I
built my K2 # 245. It needs use and a good home. Pics on request. \$280.00
shipped lower 48. Contact me at either n2wg@arrl.net or (910) 395 -1429

73, Bill - N2WG

Date: Sun, 15 Jul 2001 16:59:42 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [102685] All gone

Message-ID: <000901c10d79\$75582780\$84492bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All the .1 caps and the PN2222A's are now gone.

If you haven't emailed me that you wanted some, then I am not holding any
for you.

If some of them become available later this week, cancellations etc, I'll
let you know.

Thanks!

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
 39.558 N 86.095 W Johnson Co., Indiana
 GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
 Member of the American Radio Relay League - SOC #400
 FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Sun, 15 Jul 2001 15:07:38 -0700
From: Chris Trask <ctrask@qwest.net>
To: lhlousek@nvhbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102686] Re: Poynting and Maxwell must be WRONG if CFA is to work!
Message-ID: <3B52142A.347E5065@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's shorthand for "Crossed-Field Antenna", which is a compact antenna
that is slowly taking the place of vertical monopoles in AM
broadcasting. It's a bit controversial.

Chris

lhlousek wrote:
>

>
> Lou W7DZN

```

      ,-----'
    /   What's all this   \
  /   extinct stuff, anyhow? \
  \       -----'        /
_ ||/
oo\
( __ )\
     \   .   .   \
     \   "   \   \
     \         \   \
     \         ( ) \
     \   '-| ) _-| :. \
     |   |   |   | \   '.
     c ; c ; ' -.' '> . _

```

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@qwest.net
http://www.*****.net/~ctrask

Graphics by Loek Frederiks

Date: Sun, 15 Jul 2001 18:28:40 -0400
From: John Wagner <john@neknetwork.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102687] Re: Miracle Antenna
Message-ID: <3B521918.4963510A@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl and list;

I've been giving some thought to this "miracle antenna" and have read with interest the posts about it.

I like your idea of a dipole. I too have been tossing around an idea for a portable dipole and would like to toss it out for discussion;

Radio Shack (mine is 9 miles away, stays open late, has knowledgeable sales people and a good manager - I use my real name) has replacement collapsible antennas, I think the longest is 79" or thereabouts. I would like to find a way to get a pair of them attached to something up in the air at least 15' and preferably 20'. I was thinking of something like the South Bend Fishing pole, but I'd actually like something lighter and

thinner. I'm pretty sure it's possible to buy fishing pole blanks (for people who like to roll their own) and maybe a couple/few of them could be made to fit together for more height.

Now, 79" for each leg is a bit shy for a 10 meter dipole and a lot shy for the lower freqs. So I was thinking of feed it with 300 ohm twinlead and using a matching unit somewhat like the NJQRP squirt.

I'd like the whole thing to be one piece when assembled and for it to plug into the back of the 817 (i.e. no additional support required). Oh yeah, it should be easy to rotate as well.

So my friends; is there a design like this out there already? If not, what sort of thoughts do folks have on this? Open to all suggestions,

73 de John, KB1ENS

"Karl F. Larsen" wrote:

>

> Hi Bruce, I agree. K50I has an invisable dipole that he uses on fox hunts
> on 20 meters and is good at it. Fed with poor 300 ohm ribbon and all. I
> called the New Mexico Breakfast Club Net on 3939 khz this morning with
> half of my antenna on the ground! A couple of the guys mentioned I was not
> as strong as usual...

>

> I ordered 2 rheostat's so will make 2 of the 48 inch loaded
> antennas and feed them from a 1:1 balun. This will make a very short
> dipole but loaded to resonance, and no longer lacking a good ground. Will
> see how that works. Might try even longer wires...

>

> The secret to a good antenna is a Ham behind a radio hooked to the
> antenna.

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Sun, 15 Jul 2001 15:32:21 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102688] Re: Hy-Gain/MFJ brings back the Hy-Tower
Message-ID: <3B5219F5.A23F64F9@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Ed Tanton wrote:

>
> In a move I have been wanting to see for ages, Hy-Gain
> <<http://www.hy-gain.com/hy-gain/products.php?prodid=AV-18HT>> has brought
> back the 18-HT Hy-Tower! Still no WARC, but no traps either
> ("stub-decuppling"), all SS hardware, and a tilt-over base. Not cheap (~\$740
> list) but I'm gonna start saving my \$\$\$ today! You put out the radials for
> this puppy and it'll do the job!!!
>

Not cheap, indeed .. and not much info at the site, either.

It says "Click the thumbnail for a full-size picture". I did, fully expecting an 18 ft pix (it says "full-size"), but nothing happened. Guess I'm really gullible.

How do you expect this antenna would compare with the GAP Titan, which has no traps and is half the price? I guess it definitely is better for 80 if the 250 KHz bandwidth stated is real.

73, Phil W7OX

Date: Sun, 15 Jul 2001 18:42:50 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [102689] Re: FT-817
Message-ID: <3B521C6A.FB3BA250@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

My point is they really don't advertise walk about QRP with the FT-817. I know people have done it, but the odds on favorite is the rig will work better with a real antenna on the HF bands!

73

End of QRP-L Digest 2251
